

CLAIMS

1. An information record medium, comprising:
 - a content space in which a plurality of content domains are recorded and which occupies one area in a recording area of said information record medium, each content domain being constructed from a series of content information; and
 - a system space in which a plurality of menu domains corresponding to the plurality of content domains are recorded and which occupies a different area from said content space in the recording area, each menu domain being constructed from menu information as for the content information,
 - another menu domain being recorded in said system space, in addition to the plurality of menu domains, the another menu domain being constructed from menu information as for whole of the plurality of content domains or as for whole of said information record medium.
2. The information record medium according to claim 1, wherein a content domain for first play, which is reproduced in an initial stage of a reproduction operation, is further recorded in said system space.
3. The information record medium according to claim 1, wherein the content information is multiplexed and recorded by a unit of packet, which is a physically accessible unit and by which a piece of

the content information is individually stored, as the content domain.

4. The information record medium according to claim 1, wherein
the menu information as for the whole is constructed from
5 information for commonly performing selection or setting regarding a
plurality of video information or audio information, which
constitutes the content information, on the whole of said information
record medium.

10 5. The information record medium according to claim 1, wherein
the menu information as for the content information is constructed
from information for performing selection or setting regarding a
plurality of video information or audio information, which
constitutes the content information, only with respect to the content
15 information.

6. The information record medium according to claim 1, wherein
a plurality of titles recorded on said information record medium
individually comprise one of the content domains and one of the
20 menu domains, and

one of the plurality of titles comprises the another menu
domain and a content domain for first play.

7. An information record apparatus, comprising:
25 a first recording device for recording a plurality of content
domains into a content space which occupies one area in a recording

area of an information record medium, each content domain being constructed from a series of content information; and

a second recording device for recording a plurality of menu domains corresponding to the plurality of content domains into a system space which occupies a different area from said content space in the recording area, each menu domain being constructed from menu information as for the content information,

said second recording device recording another menu domain into said system space, in addition to the plurality of menu domains, the another menu domain being constructed from menu information as for whole of the plurality of content domains or as for whole of said information record medium.

8. An information record method, comprising:

a first recording process of recording a plurality of content domains into a content space which occupies one area in a recording area of an information record medium, each content domain being constructed from a series of content information; and

a second recording process of recording a plurality of menu domains corresponding to the plurality of content domains into a system space which occupies a different area from said content space in the recording area, each menu domain being constructed from menu information as for the content information,

said second recording process recording another menu domain into said system space, in addition to the plurality of menu domains, the another menu domain being constructed from menu information

as for whole of the plurality of content domains or as for whole of said information record medium.

9. An information reproduction apparatus for reproducing
5 information on said information record medium according to claim 1,
said information reproduction apparatus comprising:

a reproducing device for reproducing the content domain from
said content space and reproducing the plurality of menu domains or
the another menu domain from said system space;

10 a setting device capable of externally setting a system
parameter correspondingly to the reproduced plurality of menu
domains or the reproduced another menu domain; and

15 a controlling device for controlling said reproducing device to
reproduce the content domain, in accordance with the system
parameter externally set by said setting device.

10. The information reproduction apparatus according to claim 9,
wherein the system parameter includes: one or a plurality of first
system parameters, which are set correspondingly to the plurality of
20 menu domains; one or a plurality of second system parameters, which
are set correspondingly to the another menu domain; and a third
system parameter for indicating a content domain which is a setting
object of the first system parameter.

25 11. The information reproduction apparatus according to claim 10,
wherein the third system parameter indicates that the first system

parameter is not set, by virtue of its particular value.

12. The information reproduction apparatus according to claim 10,
wherein

5 the second system parameter includes a resume flag for
indicating whether or not the second system parameter is changed in
the another menu domain if the reproduction of the content domain is
restarted by resume reproduction, and

10 said controlling device controls said reproducing device to
perform the resume reproduction of the content domain, on the basis
of the resume flag.

13. The information reproduction apparatus according to claim 10,
wherein

15 the system parameter further includes a fourth system
parameter for indicating a content domain which is being currently
reproduced by said reproducing device, and

20 said controlling device controls said reproducing device to
reproduce the content domain on the basis of the first system
parameter, if the content domain indicated by the third system
parameter agrees with the content domain indicated by the fourth
system parameter

25 14. An information reproduction method of reproducing
information on said information record medium according to claim 1,
said information reproduction method comprising:

a reproducing process of reproducing the content domain from said content space and reproducing the plurality of menu domains or the another menu domain from said system space; and

5 a controlling process of controlling said reproducing process to reproduce the content domain, in accordance with a system parameter externally set by said setting device capable of externally setting the system parameter correspondingly to the reproduced plurality of menu domains or the reproduced another menu domain.

10 15. An information record reproduction apparatus, comprising:

a first recording device for recording a plurality of content domains into a content space which occupies one area in a recording area of an information record medium, each content domain being constructed from a series of content information;

15 a second recording device for recording a plurality of menu domains corresponding to the plurality of content domains into a system space which occupies a different area from said content space in the recording area, each menu domain being constructed from menu information as for the content information,

20 said second recording device recording another menu domain into said system space, in addition to the plurality of menu domains, the another menu domain being constructed from menu information as for whole of the plurality of content domains or as for whole of said information record medium;

25 a reproducing device for reproducing the content domain from said content space and reproducing the plurality of menu domains or

the another menu domain from said system space;

a setting device capable of externally setting a system parameter correspondingly to the reproduced plurality of menu domains or the reproduced another menu domain; and

5 a controlling device for controlling said reproducing device to reproduce the content domain, in accordance with the system parameter externally set by said setting device.

16. An information record reproduction method, comprising:

10 a first recording process of recording a plurality of content domains into a content space which occupies one area in a recording area of an information record medium, each content domain being constructed from a series of content information;

15 a second recording process of recording a plurality of menu domains corresponding to the plurality of content domains into a system space which occupies a different area from said content space in the recording area, each menu domain being constructed from menu information as for the content information,

20 said second recording process recording another menu domain into said system space, in addition to the plurality of menu domains, the another menu domain being constructed from menu information as for whole of the plurality of content domains or as for whole of said information record medium;

25 a reproducing process of reproducing the content domain from said content space and reproducing the plurality of menu domains or the another menu domain from said system space; and

a controlling process of controlling said reproducing process to reproduce the content domain, in accordance with a system parameter externally set by said setting device capable of externally setting the system parameter correspondingly to the reproduced 5 plurality of menu domains or the reproduced another menu domain.

17. A computer program for controlling record which controls a computer provided in said information record apparatus according to claim 7 and which causes the computer to function as at least one 10 portion of said first recording device and said second recording device.

18. A computer program for controlling reproduction which controls a computer provided in said information reproduction apparatus according to claim 9 and which causes the computer to function as at least one portion of said reproducing device, said setting device, and said controlling device.

19. A computer program for controlling record and reproduction which controls a computer provided in said information record reproduction apparatus according to claim 15 and which causes the computer to function as at least one portion of said first recording device, said second recording device, said reproducing device, said setting device, and said controlling device.

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20. A data structure including a control signal, comprising

- a content space in which a plurality of content domains are recorded and which occupies one area in a recording area of said information record medium, each content domain being constructed from a series of content information; and
- 5 a system space in which a plurality of menu domains corresponding to the plurality of content domains are recorded and which occupies a different area from said content space in the recording area, each menu domain being constructed from menu information as for the content information,
- 10 another menu domain being recorded in said system space, in addition to the plurality of menu domains, the another menu domain being constructed from menu information as for whole of the plurality of content domains or as for whole of said information record medium.